

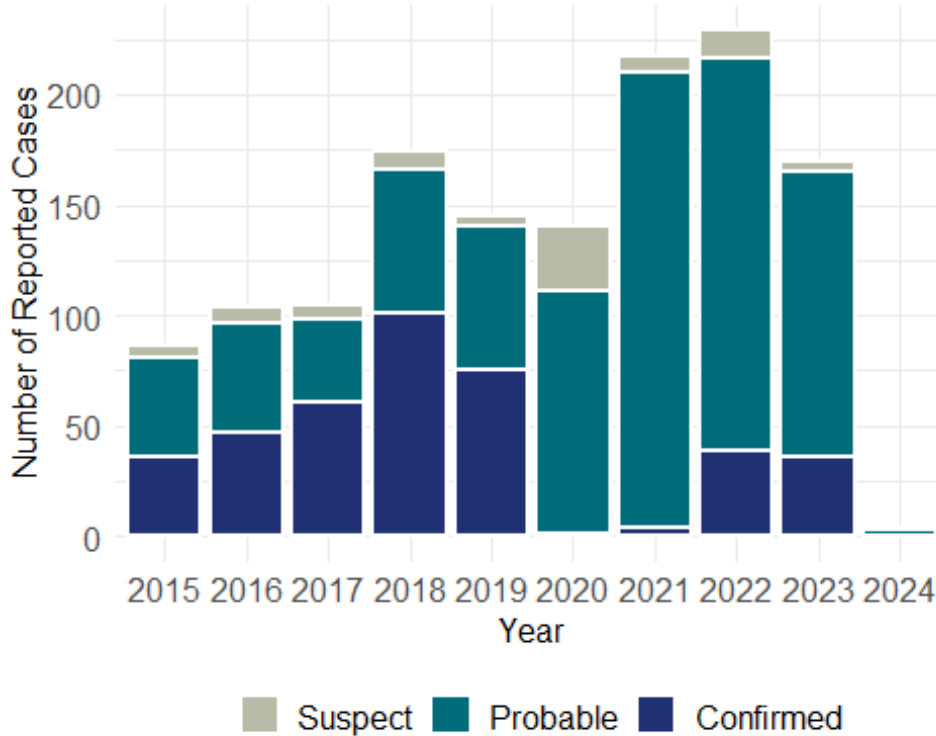
Human Flea-Borne Typhus Cases in California

Vector-Borne Disease Section, California Department of Public Health

April 11, 2024

Reported Typhus Cases, California, 2015 – 2024

As of April 11, 2024



Classification	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024*
Suspect	5	8	7	8	5	29	7	13	5	1
Probable	45	49	37	65	65	110	206	177	129	3
Confirmed	36	47	61	101	75	1	4	39	36	0

*As of April 11, 2024

The case definition was updated in 2020, limiting the criteria for a confirmed case.

Typhus Case Definition (CDPH working definition, 2020)

- **Confirmed:** A clinically compatible case (meets clinical criteria) that is laboratory confirmed.
- **Probable:** A clinically compatible case (meets clinical criteria) that has presumptive laboratory evidence and evidence of epidemiologic link.
- **Suspect:** A case with presumptive or confirmatory laboratory evidence of infection but no clinical information available, OR a clinically compatible cases (meets clinical criteria) that has evidence of epidemiologic link but no laboratory testing or equivocal laboratory evidence.

Human Flea-Borne Typhus Cases by Year and County, California, 2015 – 2024

County	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Total	Incidence
Alameda	0	0	1	0	0	0	0	1	0	0	2	0.01
Amador	0	1	0	0	0	0	0	0	0	0	1	0.27
Contra Costa	0	0	0	0	1	1	0	0	1	0	3	0.03
Fresno	0	0	1	0	0	0	0	1	0	0	2	0.02
Imperial	0	1	0	0	1	0	0	0	0	0	2	0.11
Kern	1	0	0	0	0	0	0	0	0	0	1	0.01
Los Angeles	66	82	87	147	115	114	175	192	139	3	1,120	1.10
Marin	1	0	0	0	0	1	0	0	0	0	2	0.08
Orange	15	17	11	20	20	14	27	29	19	1	173	0.55
Placer	0	0	0	0	1	0	0	0	0	0	1	0.03
Riverside	0	1	0	1	1	1	9	5	6	0	24	0.10
Sacramento	0	0	1	0	0	0	1	0	0	0	2	0.01
San Bernardino	0	1	0	1	1	5	4	1	5	0	18	0.08
San Diego	1	0	2	2	1	1	0	0	0	0	7	0.02
San Mateo	0	0	0	1	1	0	1	0	0	0	3	0.04
Santa Barbara	0	0	0	0	0	1	0	0	0	0	1	0.02
Santa Clara	0	0	1	0	0	0	0	0	0	0	1	0.01
Santa Cruz	1	0	1	0	0	0	0	0	0	0	2	0.07
Shasta	0	0	0	1	0	0	0	0	0	0	1	0.06
Solano	0	0	0	0	0	1	0	0	0	0	1	0.02
Stanislaus	0	0	0	0	1	0	0	0	0	0	1	0.02
Sutter	0	0	0	0	0	1	0	0	0	0	1	0.10
Ventura	0	0	0	0	2	0	0	0	0	0	2	0.02
Total	85	103	105	173	145	140	217	229	170	4	1,371	2.78

Data includes all confirmed, probable and suspect cases as of April 11, 2024. Cases are reported based on county of residence. Most northern California cases have travel-related exposure to southern California or no travel information available. Flea-borne typhus has not been detected to date in northern California.